ISIS

AN INTERNATIONAL REVIEW

devoted to the

History of Science and its Cultural Influences

FOUNDED IN 1912 BY GEORGE SARTON

VOLUME 44 · 1953

OFFICIAL QUARTERLY JOURNAL

OF THE HISTORY OF SCIENCE SOCIETY

Brief Index to Volume 44 of Isis

Accused, The, rev. by M. Graubard, 93
Ackerknecht, E. H., rev. of *A Hundred Years of Biology*, 301
Adams, C. W., 100
Administrative Documents, 205
Al-Bitrûjî, *De motibus celorum*, rev. by M. Clagett, 280
Almagest, rev. by W. D. Stahlman, 278
Alphabet, Triumph of, rev. by R. H. Pfeiffer, 397
American Name Society, 99
Aneurysmatibus, De, rev. by W. Pagel, 392
Apes and Ape Lore, rev. by C. Zirkle, 79
Arber, Agnes, *The Mind and the Eye*, rev. by C. Zirkle, 300
Archimedes, Works of, rev. by C. B. Boyer, 383
Astronomy from Thales to Kepler, rev. by W. D. Stahlman, 396
Augustine to Galileo, rev. by M. Clagett, 398

Bacon, F., Gilbert's *De magnete*, 10
Bailly, Jean-Sylvain, rev. by E. B. Smith, 70
Baker, J. R., *Abraham Trembley*, rev. by A. Vartanian, 387
Ballistics in the Seventeenth Century, rev. by T. S. Kuhn, 284
Balz, A. G. A., *Descartes*, rev. by T. S. Kuhn, 285
Barber, B., *Science and the Social Order*, rev. by C. Zirkle, 296
Bernheimer, R., *Wild Men in the Middle Ages*, rev. by C. Zirkle, 80
Biologic Control of insects, 99
Biology, A Hundred Years of, rev. by E. H. Ackerknecht, 301
Biology, Sources for the History of, rev. by M. Jammer, 89
Boas, M., rev. of *Locke's Travels in France*, 387
Bodenheimer, F. S., *M'koroth l'tholdoth habiologia*, rev. by M. Jammer, 89
Boring, see Psychology, 86
Boyer, C. B., rev. of *Works of Archimedes*, 383
Boyle, Robert, Natural Theology: The Scientist as Priest, 252
Brooks, J. E., *The Mighty Leaf*, rev. by C. Zirkle, 394
Brožek, J., rev. of *A History of Psychology in Autobiography*, 86
Bruckner, G. A., *Jean-Sylvain Bailly*, rev. by E. B. Smith, 70
Burns, E. McNall, *David Starr Jordan*, rev. by E. Lurie, 394
Butterfield, L. H., *Letters of Benjamin Rush*, rev. by B. Hindle, 69

Calculator, Pomponazzi's Criticism of, 355
Cardano, rev. by F. R. Johnson, 385
Carmody, F. J., *Al Bitrûjî*, rev. by M. Clagett, 280
Chemical Philosophy, A New System of, rev. by I. B. Cohen, 287
Chemistry, A Source Book in, rev. by A. J. Ihde, 84
Chemistry, First Professor of, in Great Britain, 382
Chemistry, The Evolution of, rev. by A. J. Ihde, 83
Chi han, 99
Clagett, M., The Medieval Latin Translations from the Arabic of the Elements of Euclid, with Special Emphasis on the Versions of Adelard of Bath, 16; Medieval Mathematics and Physics: A Check List of Microfilm Reproductions, 371; rev. of *Al-Bitrûjî*, 280; *Augustine to Galileo*, 398; *Benjamin Franklin*, 74; *Horus, A Guide to the History of Science*, 91
Clark, J. T., rev. of *Stoic Logic*, 291
Cohen, I. B., rev. of *A New System of Chemical Philosophy*, 287; *Philosophiæ naturalis principia mathematica*, 287; *Science in Western Civilization*, 293
Coiter, Volcher, rev. by W. Pagel, 283
Coleby, L. J. M., 382
Comenius, John Amos: *Two Pansophical Works*, rev. by K. Hujer, 66
Comet, on the date of, ascribed to A.D. 1238, 97
Condit, C. W., 95
Copernicus and Luther, 273
Coutinho, Gago, *A Nautica dos Descobrimentos*, rev. by S. E. Morison, 301
Critical Bibliography, 79th, 102ff.
Crombie, A. C., *Augustine to Galileo*, rev. by M. Clagett, 398; appointment, 276
Currier, T. F., *Bibliography of Oliver Wendell Holmes*, rev. by D. Fleming, 393

Dalton, John, *New System of Chemical Philosophy*, rev. by I. B. Cohen, 287
Dati, Carlo, on the Invention of Eyeglasses, 4
Daumas, M., *Les instruments scientifiques*, rev. by G. Sarton, 391
Dawes, B., *A Hundred Years of Biology*, rev. by E. H. Ackerknecht, 301
Deladalle, G., Foulquié, Paul: *La psychologie contemporaine*, rev. by J. G. Beebe-Center, 87
Descartes, Diderot and, rev. by C. C. Gillispie, 389
Descartes and the Modern Mind, rev. by T. S. Kuhn, 285
Descartes, René, The Scientific Work of, rev. by T. S. Kuhn, 285
Diderot and Descartes, rev. by C. C. Gillispie, 389
Diderot, Inventaire du Fonds Vandeul et inédits de, 72
Dieckmann, H., *Inventaire du Fonds Vandeul et inédits de Diderot*, rev. by H. Guerlac, 72
Dijksterhuis, E. J., 98; appointment, 276
Diller, Aubrey, *The Tradition of the minor Greek Geographers*, rev. by G. Sarton, 75
Drabkin, I. E., rev. of *History of Science, Ancient Science Through the Golden Age of Greece*, 75
Dreyer, J. L. E., *A History of Astronomy*, rev. by W. D. Stahlman, 396
Dryden, John, Conception of Tides?, 100
Durand, D. B., *The Vienna Klosterneuburg Map Corpus*, rev. by E. Raisz, 384
Dupree, A. H., Jeffries Wyman's Views on Evolution, 243
Duveen, D., French Republican Calendar, 97

Education and the French Revolution, 311
Electromagnetism, Oersted's Discovery of, 307

Farber, E., *The Evolution of Chemistry*, rev. by A. J. Ihde, 83; rev. of *Beiträge zur Geschichte der Naturwissenschaften und der Technik*, 382; *Friedrich Nietzsche als Naturphilosoph*, 289
Farbstoffe südamerikanischer Kulturvölker, Einige, 13
Fester, G. A., Einige Farbstoffe südamerikanischer Kulturvölker, 13; correction regarding, 382
Fisch, Harold, A Note on Robert Boyle's Natural Theology, 252
Fleming, D., rev. of *The World of Eli Whitney*, 290; *Bibliography of Oliver Wendell Holmes*, 393
Flour for Man's Bread, rev. by C. Zirkle, 82
Forbes, R. J., 98
Foulquié, Paul, & G. Deledalle, *La Psychologie contemporaine*, rev. by J. G. Beebe-Center, 87
Franklin, Benjamin: 200th anniversary of the "Philadelphia Experiment," rev. by M. Clagett, 74
French Republican Calendar, The, 97
French Revolution, Education and, 311

Galileo, Augustine to, rev. by M. Clagett, 398
Gardner, M., *In the Name of Science*, rev. by C. Zirkle, 298
Geographers, Greek, The Tradition of the Minor, rev. by G. Sarton, 75
Gilbert's *De Magnete*, Did Bacon Know?, 10
Gillispie, C. C., rev. of *Diderot and Descartes*, 389
Goodrich, H. B., Knapp, R. H., *Origins of American Scientists*, rev. by E. Lurie, 403
Goodrich, L. C., Nautical Charts of Arabs and Chinese before days of Portuguese navigators, 99
Graubard, M., rev. of *Man and His Gods*, 88; *Satan*, 88; *Man's Foods*, 395; *Uses of the Past*, 84
Grazia, Alfred de, Mathematical Derivation of an Election System, 42
Greek Geographers, Tradition of the Minor, rev. by G. Sarton, 75
Greek Medicine as Science and Craft, 213
Guerlac, H., rev. of *Inventaire du Fonds Vandeul et inédits de Diderot*, 72; *Science in Western Civilization*, rev. by I. B. Cohen, 293; A Proposed Revision of the Isis Critical Bibliography, 226

Hagberg, K., *Carl Linnæus*, rev. by C. Zirkle, 288
Hall, A. R., *Ballistics in the Seventeenth Century*, rev. by T. S. Kuhn, 284
Herrlinger, R., *Volcher Coiter 1534–1576*, rev. by W. Pagel, 283
Hewson, J. B., *A History of the Practice of Navigation*, rev. by S. E. Morison, 301
History of Science, teaching of, 95
History of Science Society, Report of the Secretary-Treasurer, 205; Minutes of the Council Meeting of 27 December 1952, 205; Budget Estimate, 1953, 207; Council Meeting of 28 March 1953, 208; Meeting of the History of Science Society, Annual, 210; Proposed Statutes of the History of Science Society, 304
Holmes, O. W., A Bibliography of, rev. by D. Fleming, 393
Horus, A Guide to the History of Science, rev. by M. Clagett, 91
Hujer, K., rev. of *Two Pansophical Works*, 66
Hutchins, H. L., May, W. E., *From Lodestone to Gyro-Compass*, rev. by D. H. D. Roller, 303
Hutchins, R., ed. of "Great Books," rev. by W. D. Stahlman, 278
Hyndman, O. R., *The Origin of Life*, rev. by C. Zirkle, 81

Ihde, A. J., rev. of *A Source Book in Chemistry*, 84; *The Evolution of Chemistry*, 83; corrections regarding the founding of the University of Edinburgh, 98
Impetus, Un précurseur Bagdadien de la théorie de l', 247
Index of names in 79th critical bibliography, 197
Instruments scientifiques aux XVIIe et XVIIIe siècles, rev. by G. Sarton, 391
Intellectual History, Studies in, rev. by I. B. Cohen, 404
Isis, The Editing of, 3

Jammer, M., rev. of *M'koroth l'tholdoth habiologia*, 89
Janson, H. W., *Apes and Ape Lore in the Middle Ages and the Renaissance*, rev. by C. Zirkle, 79
Jensen, L. B., *Man's Foods*, rev. by M. Graubard, 395
Jésus Marie, Father Bruno de, *Satan*, rev. by M. Graubard, 88
Johnson, F. R., rev. of *Cardano, The Gambling Scholar*, 387
Jordan, David Starr, rev. by E. Lurie, 394

Klickstein, H. S., Leicester, H. M., *Source Book in Chemistry*, rev. by A. J. Ihde, 84
Knapp, R. H., Goodrich, H. B., *Origins of American Scientists*, rev. by E. Lurie
Koyré, A., appointment, 276
Kuhn, T. S., rev. of *Ballistics in the Seventeenth Century*, 284; *Descartes and the Modern Mind*, 285; *Scientific Work of René Descartes*, 285

Lancisi, G. M., *De Aneurysmatibus*, rev. by W. Pagel, 392
Langfield, see Psychology, 86
Leaf, The Mighty, rev. by C. Zirkle, 394
Leake, C. D., rev. of *Salud y Libertad*, 405
Leibniz, An Unpublished Letter Concerning, 266
Leicester, H. M., Klickstein, H. S., *Source Book in Chemistry*, rev. by A. J. Ihde, 84
Lenzen, V. F., rev. of *Sir Isaac Newton: Opticks*, 68
Leonardo da Vinci on the Human Body, rev. by G. Sarton, 65
Levey, M., 95
Life, Origin of, and the Evolution of Living Things, rev. by C. Zirkle, 81
Lindroth, S., *Swedish Men of Science*, rev. by G. Sarton, 295
Linnæus, Carl, rev. by C. Zirkle, 288
Lippmann, E. O. von, *Beiträge zur Geschichte der Naturwissenschaften und der Technik*, rev. by E. Farber
Lipski, Alexander, The Foundation of the Russian Academy of Science, 349
Locke's Travels in France, rev. by M. Boas, 387

Lodestone to Gyro-Compass, From, rev. by D. H. D. Roller, 303
Logan Clendening Lecture, The Fourth, 99
Lough, John, *Locke's Travels in France*, rev. by M. Boas, 387
Lurie, E., Some MS Resources in the History of Nineteenth Century Natural Science, 363; rev. of *Origins of American Scientists*, 403; *David Starr Jordan*, 394
Luther, Copernicus and; A Critical Study, 273

MacClintock, S., rev. of *Le questiones de Anima di Taddeo da Parma*, 64
Man and His Gods, rev. by M. Graubard, 88
Man's Foods, rev. by M. Graubard, 395
Map Corpus, The Vienna Klosterneuburg, of the Fifteenth Century, rev. by E. Raisz, 384
Mates, Benson, *Stoic Logic*, rev. by J. T. Clark, S.J., 291
Mathematical Derivation of an Election System, 42
Mathematics and Physics, Medieval: A Check List of Microfilm Reproductions, 371
May, W. E., Hutchins, H. L., *From Lodestone to Gyro-Compass*, rev. by D. H. D. Roller, 303
Medieval Physics & Mathematics, check-list of microfilms, 371
Medieval Latin Translations of the Elements of Euclid, 16
Merlan, Philip, Plotinus and Magic, 341
Mighty Leaf, The, rev. by C. Zirkle, 394
Mind and the Eye, The, rev. by C. Zirkle, 300
Mirsky, Jeanette, Nevins, Allan, *The World of Eli Whitney*, rev. by D. Fleming, 290
Mittasch, A., Friedrich Nietzsche als Naturphilosoph, rev. by E. Farber, 289
Moorhouse, A. C., *The Triumph of the Alphabet*, rev. by R. H. Pfeiffer, 397
Morison, S. E., rev. of *A History of the Practice of Navigation*, 301
Muller, H. J., *The Uses of the Past*, rev. by M. Graubard, 84
Muslim historiography, A History of, rev. by G. Sarton, 78

Natural Science, Some MS Resources in the History of 19th-Century American, 363
Naturwissenschaften, Beiträge zur Geschichte der, rev. by E. Farber, 404
Nautical Charts, of Arabs and of Chinese before Portuguese navigators, 99
Navigation, *A History of the Practice of*, rev. by S. E. Morison, 301
Nevins, A., Mirsky, J., *The World of Eli Whitney*, rev. by D. Fleming, 290
Newton, Sir Isaac: Opticks, rev. by V. F. Lenzen, 68
Newton, Isaac, *Philosophiæ naturalis principia mathematica*, rev. by I. B. Cohen, 287
Nietzsche, Friedrich, als Naturphilosoph, rev. by E. Farber, 289
Norlind, W., Copernicus and Luther, 273

Oersted's Discovery of Electromagnetism, 307
O'Malley, C., Saunders, J. B. de C. M., *Leonardo da Vinci on the Human Body*, rev. by G. Sarton, 65
Ore, O., *Cardano: The Gambling Scholar*, rev. by F. R. Johnson, 385
Origins of American Scientists, rev. by E. Lurie, 403

Pagel, W., rev. of *De Aneurysmatibus*, 392, rev. of *Volcher Coiter*, 283
Patterson, L. D., The Royal Society's Standard Thermometer, 1663–1709, 51
Paz-Soldan, C. E., *Salud y Libertad*, rev. by C. D. Leake, 405
Pelseneer, J., Thilorier, 96, 382
Pfeiffer, R. H., rev. of *The Triumph of the Alphabet*, 397
Philosophiæ naturalis principia mathematica, rev. by I. B. Cohen, 287
Physics, and Mathematics, Medieval, A Check List of Microfilm Reproductions, 371
Pines, S. Un précurseur Bagdadien de la théorie de l'impetus, 247
Plotinus and Magic, 341
Pomponazzi's Criticism of Calculator, 355
Psychology in Autobiography, A History of, rev. by J. Brožek, 86
Ptolemy, *The Almagest*, rev. by W. D. Stahlman, 278

Quaestiones de Anima di Taddeo da Parma, Le, rev. by S. MacClintock, 64

Raisz, E., rev. of *The Vienna Klosterneuburg Map Corpus of the Fifteenth Century*, 384
Roller, D. H. D., 96; Did Bacon Know Gilbert's *De Magnete?*, 10; rev. of *From Lodestone to Gyro-Compass*, 303
Rosen, E., 95; Carlo Dati on the Invention of Eyeglasses, 4
Rosenthal, F., *A History of Muslim Historiography*, rev. by G. Sarton, 78
Rovighi, Sofia Vanni, *Le Quaestiones de Anima di Taddeo da Parma*, rev. by S. MacClintock, 64
Royal Society's Standard Thermometer, 1663–1709, 51
Rush, Benjamin, Letters of, rev. by B. Hindle, 69
Russian Academy of Science, The Foundation of, 349

Salud y Libertad, rev. by C. D. Leake, 405
Sarton, G., Elected member Academy of Hyderabad, 276; Why *Isis?*, 232; Earliest example of biologic control of insects, 99; *A History of Science, Ancient Science Through the Golden Age of Greece*, rev. by I. E. Drabkin, 75; *Horus, A Guide to the History of Science*, rev. by M. Clagett, 91; rev. of *A History of Muslim Historiography*, 78; *Leonardo da Vinci on the Human Body*, 65; *Les instruments scientifiques aux XVIIe et XVIIIe siècles*, 391; *Swedish Men of Science*, 296; *The Tradition of the Minor Greek Geographers*, 75
Satan, rev. by M. Graubard, 88
Saunders, J. B. de C. M., rev. of *Vesalius on the Human Brain*, 281
Saunders, J. B. de C. M., O'Malley, C., *Leonardo da Vinci on the Human Body*, rev. by G. Sarton, 65
Schlichtung, T. H., appointment, 276
Schneider, H., An unpublished letter concerning Leibniz, 266
Schofield, R. E., John Wesley and Science in 18th-Century England, 331
Science, A History of, Ancient, Through the Golden Age of Greece, rev. by I. E. Drabkin, 75

Science and the Social Order, rev. by C. Zirkle, 296
Science, Education and the French Revolution, 311
Science, in the Name of, rev. by C. Zirkle, 298
Science in Western Civilization, rev. by I. B. Cohen, 293
Scientist as Priest, Robert Boyle's Natural Theology, 252
Scientific Work of René Descartes, The, rev. by T. S. Kuhn, 285
Scott, J. F., *The Scientific Work of René Descartes*, rev. by T. S. Kuhn, 285
Siegfried, R., 95
Singer, C., *Vesalius on the Human Brain*, rev. by J. B. de C. M. Saunders, 281
Smith, E. B., rev. of *Jean-Sylvain Bailly*, 70
Smith, Homer, W., *Man and His Gods*, rev. by M. Graubard, 88
Sonnedecker, G., 95
Stahlman, W. D., rev. of *The Almagest*, 278; *A History of Astronomy from Thales to Kepler*, 396
Stauffer, R. C., Persistent Errors Regarding Oersted's Discovery of Electromagnetism, 307
Stevin, Simon, Modern edition of the Works of, 98
Stoic Logic, rev. by J. T. Clark, 291
Stimson, Dorothy, The Editing of *Isis*, 3
Storck, J., Teague, W. D., *Flour for Man's Bread*, rev. by C. Zirkle, 82
Swedish Men of Science, rev. by G. Sarton, 295

Taddeo da Parma, Le Quaestiones de Anima, rev. by S. MacClintock, 64
Teague, W. D., Storck, J., *Flour for Man's Bread*, rev. by C. Zirkle, 82
Temkin, O., Greek Medicine as Science and Craft, 213
Thilorier, 96, 382
Thorndike, L., On the date of a comet ascribed to A.D. 1238, 97
Tides, Dryden on, 100
Trembley, Abraham, of Geneva, rev. by A. Vartanian, 387

University of Edinburgh, corrections regarding the founding of, 98
Uses of the Past, rev. by M. Graubard, 84

Vartanian, A., *Diderot and Descartes*, rev. by C. C. Gillispie, 389; rev. of *Abraham Trembley of Geneva*, 387
Vesalius on the Human Brain, rev. by J. B. de C. M. Saunders, 281
Vienna Klosterneuburg Map Corpus of the Fifteenth Century, The, rev. by E. Raisz, 384
Volcher Coiter, rev. by W. Pagel, 283

Weissberg, A., *The Accused*, rev. by M. Graubard, 93
Werner, see Psychology, 86
Wesley, John, and Science in 18th Century England, 331
Whitney, Eli, The World of, rev. by D. Fleming, 290
Why *Isis*?, 232
Wild Men in the Middle Ages, rev. by C. Zirkle, 80
Williams, L. P., Science, Education and the French Revolution, 311
Wilson, Curtis, Pomponazzi's Criticism of Calculator, 355
World of Eli Whitney, The, rev. by D. Fleming, 290
Wyman, Jeffries, Views on Evolution, 243

Yerkes, see Psychology, 86

Zirkle, C., rev. of *Apes and Ape Lore in the Middle Ages and the Renaissance*, 79; *Carl Linnæus*, 288; *Flour for Man's Bread*, 82; *In the Name of Science*, 298; *The Mighty Leaf*, 394; *The Mind and the Eye*, 300; *The Origin of Life and the Evolution of Living Things*, 81; *Science and the Social Order*, 296; *Wild Men in the Middle Ages*, 80